WATERBODY DATA FORM

⊠ centenne □ ive	-Noute	u 🔲 Andmary	racilly	□ Other.	Feature ID 7	F: S/ATRU	02	
Stream/Waterbody	/ Name (if known): C0	OOWNOTTC	D CREEK					
Date: 7/9/08	Project Name	& No · Keye	tone XI -1	0623-007-803	Associated			
	& No.: Keystone XL-10623-007-803A State/County: SD/ TRIPP				Milepost: 541.7 Quad Name: MOUTH MISSION			
	DBSON/FREBOROUGH	<u> </u>				CREEK		
Logbook No.: 2	Logbook Page	No.: 54	Tract N	O.: ML-SD-TR-10	190.000, 10200	Picture N	o.: S7ATR002_E	E,2W,3S
PHYSICAL ATTR Waterbody Sketo								
	rectional & North Arro	w, Centerline	e. Length o	of feature, Dista	ances from Ce	nterline, Ph	oto Locations	, and
Survey corridor		,	1	,				,
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Angle of Crossi	ng at Centerline: 📩		↓	3				
Waterbody Type	☐ Lake ☐ Pond	☐ Borrow Pit	River			Other:		
Stream Flow	☐ Fast ☐ Moderate	⊠ Slow	Flow		ows year round) Intinuous flow ≥ 3 i	months)	Direction of Flo it crosses CL: \$	
	☐ Very Slow	☐ None	type		lows <3 months) ows only in respo	•	NE, E, SE, S, S NW)	
Subsurface Flow?	ПМо	☑ Unknown		rainfall)	iows only in respo	ilise to	1444)	
	∐ Yes —	Z CIIKIOWII						
OHWM Width (ft.):	0'		Sinuosity Straight			☑ Meandering		
Stream Width (ft.)	Top of Bank (at crossing	···			(at crossing location			
Stream Depth (in.)	□ 0-3 □ 3-6	☐ 6-12	12-1		□ 24-36	□ 36-48	☐ 48-60	□ 60+
OHWM Indicator	☐ Clear natural line on bank		vegetation Sediment deposition Sediment		•		☐ Scour	
	Abrupt plant community change				☐ Wrested veg	etation	☐ Water staining	
,	☐ Soil character changes				Sediment so	orting		
	Litter and debris	[Leaf litter	disturbed	Other:			
Bank Height (ft.) (looking downstream)	Left: 0	-2] 2-4	☑ 4-6		□ 6-8	□ 8+	
(looking downordan)	Right: 0	-2 Г] 2-4	□ 4-6		☑ 6-8	□ 8+	
				-				
Bank Slope (looking downstream)	Left: 4	:1 🗆] 3:1	□ 2:1		<u>]</u> 1:1	⊠ Vertica	ıl
,,	Right: 4	:1 [] 3:1	□ 2:1		<u>]</u> 1:1	✓ Vertica	ı
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Feature ID #: S7ATR002

Date: 7/9/08	Project Name & No.: Keystone XL-10623-007-803A Milepost: 541.7						
QUALITATIVE AT	ITRIBUTES						
Water Appearance (check all that apply)	Clear ☐ Turbid ☒ Sheen on surface ☐ Floating algal mats ☐ Water Color: Slightly Turbid ☐ Very Turbid ☐ Greenish color ☐ Obvious surface scum ☐ Other:						
Stream Substrate %	Silts Cobbles Bedrock Sands Gravel X Concrete Muck Vegetation: Other: X Explain: CLAY						
Aquatic Habitats (check all that apply)	Sand Bar Gravel Riffles In-stream emergent plants: Gravel Bar Deep Pools In-stream submerged plants: Mud Bar Bank root systems Fringing Wetlands: Undercut Banks Overhanging trees/shrubs						
Aquatic Organisms Observed (check all that apply)	Waterfowl Fish (adult) Turtles Other: Snakes Fish (juvenile) Frogs Invertebrates:						
Riparian Zone	Width of natural vegetation zone from edge of active channel out onto flood plain (FT): 20 Circle vegetative layers: trees ☐ shrubs ☒ herbs ☒ ☐Significant bare areas within riparian zone ☐Evidence of non-buffered concentrated flows						
Tributary is	Natural ☐Artificial (Man-Made) ☐Manipulated						
Channel Condition:	Channelization Unnatural straightening Downcutting Dikes/Berms ☐ Excessive bank or Braiding ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐						
Disturbances	Livestock access to riparian zone Manure in stream or on banks Other:						
	racteristics, Aquatic & Terrestrial Diversity: EASWOOD (?) ALONG BANKS AND ON BANK SLOPES SEDGE ALONG LEFT BANK (CAREX						
	e crossing angle, construction constraints, erosion potential, existing disturbances, and meanders) EAM AT A NEAR RIGHT ANGLE						
STREAM QUALITY H	igh 🔲 Moderate 🛛 Low 🔲						